

C l a i m s

1.

A sound distributor, for use in a system for distributing physiological sounds in a training manikin, the system comprising at least one acoustic source, e.g., a loudspeaker, adapted to convert electrical signals from a signal generator into an acoustic signal, characterised in that it is an air filled structure comprising coupling means for coupling to the acoustic source.

2.

Sound distributor according to claim 1, characterised in that said coupling means is an air filled sound conductor.

3.

Sound distributor according to claim 1 or claim 2, characterised in that it is a pouch or bladder made of a flexible foil.

4.

Sound distributor according to claim 1, 2 or 3, characterised in that it contains a volume maintaining device, to keep the air volume of the sound distributor intact.

5.

Sound distributor according to claim 4, characterised in that the volume maintaining device is a mat of foamed plastic, a mat of textile, a bow, a framework or the like.

6.

A system for distributing physiological sounds in a training manikin, comprising at least one acoustic source, e.g., a loudspeaker, adapted to convert electrical signals from a signal generator into an acoustic signal, characterised in that the acoustic source is coupled to a first end of at least one air filled sound conductor, the second end

being coupled to a sound distributor, to conduct the acoustic signal to the sound distributor placed at a distance from the acoustic source.

7.

System according to claim 6, characterised in that the acoustic source is situated in a structure defining a chamber.

8.

System according to claim 6 or 7, characterised in that the sound conductor is a flexible hose, e.g., a plastic hose, with an internal diameter less than the wavelength of the sound.

9.

System according to claim 6, 7 or 8, characterised in that the sound distributor is a flexible air filled structure.

10.

System according to any of the previous claims 6 - 9, characterised in that the sound conductor is branched to conduct sound from one acoustic source to a multiple of sound distributors.

11.

System according to any of the previous claims 6 - 10, characterised in that it comprises a multiple of acoustic sources, each being placed in an individual structure, the structures being coupled to each other, e.g. in a stack.